```
import numpy as np
import pandas as pd
import seaborn as sns
from matplotlib import pyplot as plt
```

```
df=sns.load_dataset('titanic')
```

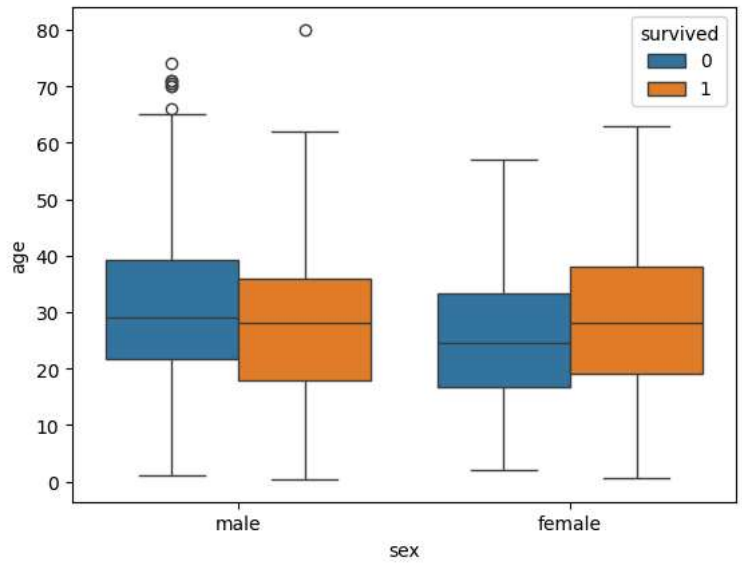
```
df
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True	NaN	Southampton	no	True
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False	B	Southampton	yes	True
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False	NaN	Southampton	no	False
889	1	1	male	26.0	0	0	30.0000	C	First	man	True	C	Cherbourg	yes	True
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True	NaN	Queenstown	no	True

891 rows × 15 columns

```
sns.boxplot(x='sex',y='age',data=df , hue='survived')
```

```
<Axes: xlabel='sex', ylabel='age'>
```



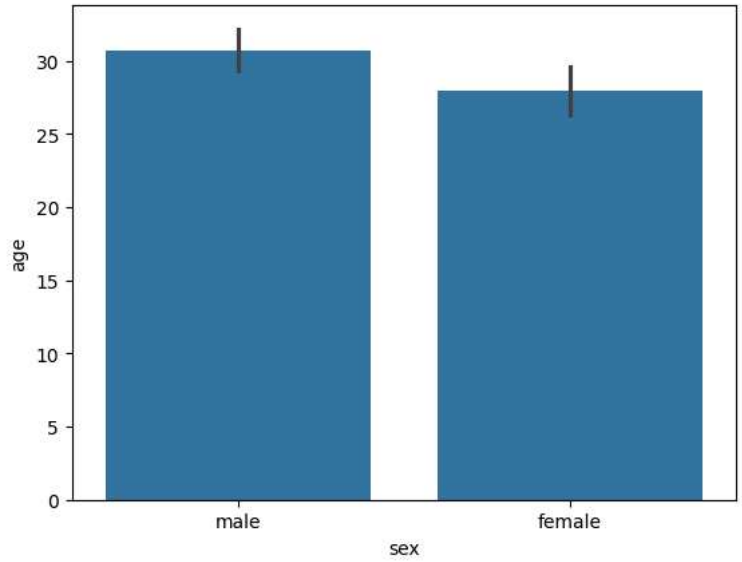

```
df['age'].describe().transpose()
```

	age
count	714.000000
mean	29.699118
std	14.526497
min	0.420000
25%	20.125000
50%	28.000000
75%	38.000000
max	80.000000

dtype: float64

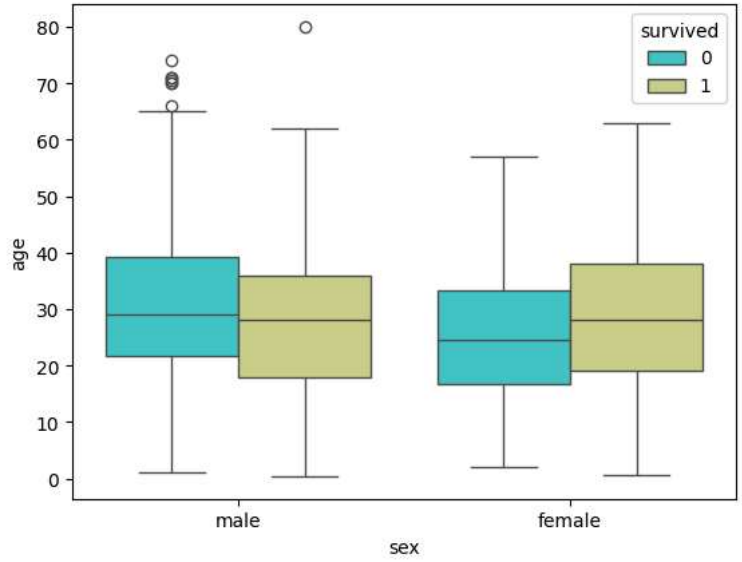
```
sns.barplot(x='sex',y='age',data=df)
```

```
<Axes: xlabel='sex', ylabel='age'>
```




```
sns.boxplot(x='sex',y='age',data=df , hue='survived', palette='rainbow')
```

```
<Axes: xlabel='sex', ylabel='age'>
```



Start coding or generate with AI.